

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1-8 (canceled)

1                   9 (previously presented): A method for identifying a compound that modulates  
2 cellular proliferation, the method comprising the steps of:  
3                   (i) contacting the compound with a SAK polypeptide, the polypeptide encoded by  
4 a nucleic acid that encodes a SAK polypeptide having at least 95% sequence identity to SEQ ID  
5 NO:2, the polypeptide having serine/threonine kinase activity; and  
6                   (ii) determining a functional effect of the compound upon the SAK polypeptide,  
7 wherein the functional effect is determined by measuring kinase activity of the SAK polypeptide,  
8 which indicates that the compound modulates cellular proliferation.

1                   10 (original): The method of claim 9, wherein the functional effect is measured  
2 in vitro.

11-23 (canceled)

1                   24 (original): The method of claim 9, wherein modulation is inhibition of  
2 cellular proliferation.

1                   25 (original): The method of claim 9, wherein modulation is inhibition of cancer  
2 cell proliferation.

26-31 (canceled)

1                   32 (original): The method of claim 9, wherein the polypeptide is recombinant.

1                    33 (currently amended): The method of claim 9, wherein the polypeptide is  
2 encoded by a nucleic acid comprising ~~a sequence of~~ SEQ ID NO:1.

1                    34 (original): The method of claim 9, wherein the compound is an antibody.

35 (canceled)

1                    36 (original): The method of claim 9, wherein the compound is a small organic  
2 molecule.

1                    37 (original): The method of claim 9, wherein the compound is a peptide.

1                    38 (original): The method of claim 37, wherein the peptide is circular.

39-50 (canceled)